Received 12-11-86
Analysis of Oil Fraction
from Stuart Acres property

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

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CERTIFICATE OF ANALYSIS

IT Corporation
336 W. Anaheim St.
Wilmington, CA 90744

December 11, 1986

DEC 15 1986

Attn: Ralph McCaffrey

December 4, 1986 | 201355-09 | 39137/dai
McDonnell Douglas

One (1) liquid sample labeled: "1"

The sample was analyzed for volatile organic contaminants using combined gas chromatography-mass spectrometry according to EPA Method, purge and trap. Results for compounds on the EPA Hazardous Substances List are given on the enclosed summary sheets.

In addition, a non-priority pollutant volatile organic unknown was found at a concentration of 900 mg/Kg. The dichlorobenzene isomers were also scanned out for and not detected with a detection limit of 2500 milligrams per kilogram.

The sample was analyzed for PCB's on a Varian 3700 gas chromatograph equipped with an electron capture detector. The liquid sample was prepared by extracting approximately 100 milligrams of the sample with 10.0 mls of pesticide quality hexane.

The liquid extract was purified several times with a sulfuric acid and mercury procedure. No Florisil clean-up was necesary. The purified sample was analyzed by direct injection into the gas chromatograph. The results are listed below.

Sample	Total PCB Micrograms/gram (ppm)
Douglas Aircraft*	ND<200
method blank	ND<2

* Increased detection limit due to matrix effect.

ND - This compound was not detected; the limit of detection for this analysis is the amount stated in the table above.

Donna Dietrich
Groupleader

R. W. L. for
Richard I. Merrell
Laboratory Director

GC/MS ORGANICS ANALYSIS DATA SHEET
VOLATILE COMPOUNDS

SAMPLE IDENTIFICATION: DOUGLAS AIRCRAFT 1
DATE ANALYZED: 12/05/86
UNITS: MG/KG

CAS #	COMPOUND	CONC
71-43-2	BENZENE	630. ND
56-23-5	CARBON TETRACHLORIDE	630. ND
108-90-7	CHLOROBENZENE	630. ND
107-06-2	1,2-DICHLOROETHANE	630. ND
71-55-6	1,1,1-TRICHLOROETHANE	12000.
75-34-3	1,1-DICHLOROETHANE	150. TR
79-00-5	1,1,2-TRICHLOROETHANE	630. ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	630. ND
75-00-3	CHLOROETHANE	630. ND
110-75-8	2-CHLOROETHYLVINYL ETHER	6300. ND
67-66-3	CHLOROFORM	630. ND
75-35-4	1,1-DICHLOROETHENE	630. ND
156-60-5	TRANS-1,2-DICHLOROETHENE	630. ND
78-87-5	1,2-DICHLOROPROPANE	630. ND
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630. ND
10061-01-5	CIS-1,3-DICHLOROPROPENE	630. ND
100-41-4	ETHYLBENZENE	630. ND
75-09-2	METHYLENE CHLORIDE	630. ND
74-87-3	CHLOROMETHANE	630. ND
74-83-9	BROMOMETHANE	630. ND
75-25-2	BROMOFORM	630. ND
75-27-4	BROMODICHLOROMETHANE	630. ND
124-48-1	CHLORODIBROMOMETHANE	630. ND
127-18-4	TETRACHLOROETHENE	630. ND
108-88-3	TOLUENE	630. ND
79-01-6	TRICHLOROETHENE	250. TR
75-01-4	VINYL CHLORIDE	630. ND
67-64-1	ACETONE	6300. ND
78-93-3	2-BUTANONE	6300. ND
75-15-0	CARBON DISULFIDE	630. ND
519-78-6	2-HEXANONE	630. ND
108-10-1	4-METHYL-2-PENTANONE	630. ND
100-42-5	STYRENE	630. ND
108-05-4	VINYL ACETATE	630. ND
95-47-6	TOTAL XYLENES	630. ND
106-93-4	ETHYLENE DIBROMIDE	630. ND

ND - THIS COMPOUND WAS NOT DETECTED; THE LIMIT OF DETECTION FOR THIS COMPOUND IS STATED TO THE LEFT OF THE ND SPECIFIER.

TR - TRACE, THIS COMPOUND WAS PRESENT, BUT WAS BELOW THE LEVEL AT WHICH THE CONCENTRATION COULD ACCURATELY BE DETERMINED. THE APPROXIMATE CONCENTRATION IS REPORTED FOR YOUR REFERENCE.